This is a unique reloading/information manual. It contains currently available data regarding loading information for this individual cartridge. This data is compiled from the leading U.S. Bullet and gunpowder manufacturers.

This manual is not intended to replace the many comprehensive, in-depth reloading manuals available from a host of publishers, but instead provide you with a quick and easy-to-use reference source which will enable you to compare loads, types of powders, bullets and shot charges for components you may have on hand.

Loadbooks USA, Inc., also offers the following cartridges in this series of unique One Book/One Caliber reloading manuals: .22 Hornet, .220 Swift, .222 Remington, .223 Remington, .22-250 Remington, .225 Winchester, .243 Winchester, .244/6mm Remington, 6.5x55 Swedish, .25-06 Remington, 250-3000 Savage, 270 Winchester, 7x57 .280 Remington, .284 Mauser, 7mm-08 Remington, Winchester, 7mm Remington Magnum, 7.62x39mm, 7.62x54mm Russian, .30-30 Winchester, .303 British, .308 Winchester, .30-06 Springfield, .300 Winchester Magnum, .300 Weatherby Magnum, .300 Savage, 30/40 Krag, .300 & .375 H & H Magnum, .338 Winchester Magnum, 8mm Remington Magnum, 8mm/06 & .338/06, 8mm Manser, .356 & .358 Winchester, .35 Whelen, .35 Remington & .350 Remington Magnum, .375 & .458 Winchester, .444 Marlin, .45-70 Government, .25 & .32 A.C.P., .32 H&R Magnum, .380 ACP, 9mm Luger, .38 Super, .38 Special, .357 Magnum, 10mm/.41 Auto. .41 Magnum, .44 Magnum, .44 Special, .45 ACP, .45 Colt, .454 Casull, and The Weatherby Magnums covering 10 different Weatherby calibers.

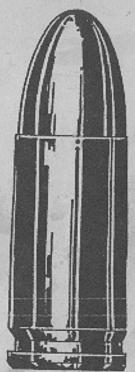
There's also two shotshell books for the 12 Gauge, and the 20/28 Gauge and .410 bore. Plus there's a large reloading manual covering 30 calibers for the Thompson/Center Contender single-shot pistol and the Remington XP-100 pistol.

> Online Ordering http://www.loadbooks.com Published by Loadbooks USA, Inc. Printed in the United States

# One Book / One Caliber



Complete
Reloading
Manual
for the
9mm
1201
7,985
Luger



Containing Unabridged Information from U.Ş. Bullet and Powder Makers

Accurate \* Alliant \* Hodgdon \* Hornady IMR \* Lyman \* Nosler \* RCBS \* Scot Sierra \* Speer \* Winchester and Others

> 1,326 Proven & Tested Loads 52 Various Bullet Designs 42 Different Powders

## **RELOADING SAFETY RULES**

Reloading is an enjoyable and rewarding hobby that is easily conducted with safety. But, like many other human endeavors, carelessness or negligence can make reloading hazardous.

The essence of reloading safety is proper handling and storage of primers and powder. By observing the following rules, the chance of hazardous occurrence becomes extremely remote.

Store powder and primers beyond the reach of children and away from heat and open flames. Do not smoke when reloading.

Keep no more powder that needed in an open container. Immediately return unused powder to its original factory container.

Don't use any powder unless its identity is positively known. Scrap all mixed powders and those of uncertain or unknown identity.

Do not store primers in bulk. To do so is to create a bomb! Bulk primers will mass detonate. Do not use primers when their identity is lost. Safely dispose of unknown types of primers.

Courtesy of Speer Reloading Manual No. 11

All leading data contained in this book is the result of testing by the various bullet and powder manufacturers. Under carefully controlled conditions and with the components and test equipment specified, this data proved safe in their tests. Since none of the companies, nor the publisher, listed herein has control over the components and equipment which may be used with this published information, no responsibility is implied or assumed for results obtained through its use.

Coursesy of Hornady Manufacturing Company, Inc.

Sierra Bullets cannot and does not accept any liability, either expressed or implied, for results of damage or injury arising from or alleged to have arisen from the use of the data in this manual.

Courtesy of Sierra Bullets

Follow loading recommendations exactly. Don't substitute components for those listed. Start loading with the minimum powder charges. Understand what you are doing and why it must be done in a specific way. Stay alert when reloading. Don't reload when distracted, disturbed or tired.

Courtesy of Nosler Bullets, Inc.

# Reloading Manual for the 9mm Luger

The publisher is deeply indebted to the following companies for their permission to reprint their proprietary reloading information found in this manual.

Accurate Arms Company, Inc.
Blount, Inc.
Alliant Technologies
Hodgdon Powder Co., Inc.
Hornady Manufacturing Company
IMR Powder Company
Lyman Products Corporation
Nosler Bullets, Inc.
RCBS Bullets
Scot Powders
Sierra Bullets, L.P.
Speer Bullets
Winchester

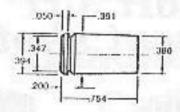
Copyright 2000 by Loadhooks USA, Inc., 18826B Soledad Canyon Road Canyon Country, California 91351, Phone: 805/250-8502, PAX: 805/250-8493, Printed in the United States of America, All Rights Reserved.

# TABLE OF CONTENTS 9MM LUGER

HORNADY BULLETS         1           Hornady Introduction         1           Hornady 90 grain         2           Hornady 100 grain         3           Hornady 115 grain         4           Hornady 124 grain         5           Hornady 147 grain         6
NOSLER BULLETS         7           Nosler Introduction         7           Nosler 90 grain         9           Nosler 115 grain         10
SIERRA BULLETS           Sierra Introduction         11           Sierra 90 grain         12           Sierra 95 grain         13           Sierra 115 grain         14           Sierra 125 grain         15           Sierra 130 grain         16           Sierra Introduction(Rifle)         17           Sierra 90/95 grain(Rifle)         18           Sierra 115/125/130(Rifle)         19
SPEER BULLETS         20           Speer Introduction         21           Speer 115 grain         21           Speer 124/147 grain         22           Speer 125 grain Lead         23
LYMAN BULLETS       24         Lyman Introduction       28         Lyman 92/100 grain       28         Lyman 115 grain       29         Lyman 121 grain       30         Lyman 130/147 grain       31         Lyman Introduction (Rifle)       32         Lyman 120/130 grain (rifle)       33         Lyman 147 grain (rifle)       34
RCBS BULLETS RCBS 90/115 grain

# TABLE OF CONTENTS 9MM LUGER

HODGDON POWDERS	
Hodgdon Introduction	37
WI-124 grain Loads	30
130/147 grain Loads	39
ACCURATE ARMS POWDERS	111
Accurate Introduction	40
Handgun Loads	41
Handgun LoadsRifle Loads	43
ALLIANT POWDERS	
95-147 grain Loads	44
IMP POWDERS	
115-147 grain Loads	45
SCOT POWDERS	
Royal Scot/Pearl Scot/Solo 1000	46
Solo 1250/Solo 1500	47
WINCHESTER POWDERS	
95-147 grain Loads	48
VIHTAVUORI POWDERS	7.
Vihtavuori Introduction	49
88-115 grain (4" Barrel)	50
124-147 grain (4" Barrel)	51
116/124 grain (8" Barrel)	52
124-147 grain (8" Barrel)	53



### 9mm LUGER

PISTOL: S & W MODEL 39 BARREL: 4", 1 in 10" TWIST CASE: HORNADY/FRONTIER PRIMER: FEDERAL 100 MAXIMUM C.O.L.: 1.169°
MAX. CASE LENGTH: .754°
CASE TRIM LENGTH: .744°

The 9mm Luger is the most widely chambered military pistol cartridge in the world. It has become extremely popular in the U.S. and is used by a large number of law enforcement agencies. Introduced in 1902 by Georg Luger in his Luger Pistol and dubbed the 9mm Parabellum, this cartridge was adopted by the German Armed Forces just six years later. The cartridge is also used extensively in submachine guns.

The 9mm Luger is economical and relatively easy to reload. With the ending of World War II, a great number of military surplus semi-autos were sold in the U.S., which also enhanced popularity of the round in this country. Today, every major U.S. manufacturer offers a firearm in this caliber. Many foreign producers offer fine firearms in the 9mm Luger. The U.S. armed services have adopted a Beretta pistol, the M9, as the official sidearm. The large number of firearms in 9mm prompted the need for commercial ammunition and reloading supplies. Hornady offers reloading dies and eight different bullets for the 9mm.

Powders that worked exceptionally well in our test weapon were Hercules Unique, Winchester 231, and AA#2. AA#2 produced the highest velocity of all the powders tested with the 90, 100, 115 and 124 grain bullets while AA#7 and Blue Dot gave the highest velocity with the 147 grain bullet. Velocity difference between 4" and 5" barrels were negligible. Note; When reloading for the 9mm, care must be taken that little or no crimp be used, since the 9mm headspaces on the mouth of the case.

### 90 GRAIN BULLETS:

SECTIONAL DENSITY:

.102

\*35500 HP/XTP. Ballistic Coefficient — .099 C.O.L. — 1.080"



	VELOCITY										
POWDER	1150 fps	1200 fps	1250 fps	1300 fps	1350 fps						
Red Dot	4.0 gr.	4.3 gr.	4.5 gr.								
IMR 7625	4.3 gr.	4.5 gr.		DATE HAVE							
700X	4.2 gr.	4.4 gr.	4.6 gr.								
WIN WSL	4.2 gr.	4.4 gr.	4.6 gr.	4.8 gr.							
Bullseye	4.4 gr.	4.7 gr.	5.0 gr.		2						
Pearl Scot	4.3 gr.	4.6 gr.	4.9 gr.	5.2 gr.							
Unique.	4.9 gr.	5.1 gr.									
WIN 231	4.9 gr.	5.1 gr.	5.4 gr.	5, 6.7 gr.							
AA #2	4.7 gr.	5.0 gr.	5.4 gr.	5.7 gr.	6,1 gr.						
WIN WST	5.5 gr.	6.0 gc									
AA #5	6.2 gr.	6.5 gr.	6.8 gr.	7.2 gr.	W-1100-						
HS-6	6,9 gr,	7.2 gr.	7.4 gr.	7.7 gr.							
AA #7	7.8 gr.	8.3 gr.	8.8 gr.	9.3 gr							

Indicates maximum load - use with caution

### 9MM LUGER - HORNADY BULLETS

### 100 GRAIN BULLETS:

SECTIONAL DENSITY; DIAMETER:

.113

\*3552 FMJ-RN Ballistic Coefficient — .115 C.O.L. — 1.105"



	632										
POWDER	VELOCITY										
	1050 fps	1100 fps	1150 fps	1200 fps	1250 fps						
Red Dot	3.8 gr.	4.0 gr.	4.2 gr.	4.4 gr.	2.11						
WIN WSL	3.9 gr.	4.1 gr.	4.3 gr.	4.5 gr.							
Pearl Scot	4.2 gr.	4.3 gr.	4.5 gr.	4.8 gr.	¥						
Bullseye		4.3 gr.	4.6 gr.	4.9 gr.	5.2 gr.						
AA #2		4.0 gr.	4.6 gr.	5.2 gr.	5.8 gr.						
Unique	4.8 gr.	4.9 gr.	5.1 gr.	5.3 gr.							
WIN 231	4.3 gr.	4.6 gr.	5.0 gr.	5.3 gr.	34						
WIN WST	5.2 gr.	5.5 gr.	5.9 gr.	6.2 gr.							
AA #5	5.8 gr.	6.1 gr.	6.4 gr.	6.6 gr.	6.9 gr.						
HS-6		6.6 gr.	6.9 gr.	7.2 gr.	7.5 gr.						
AA #7	7.3 gr.	7,7 gr.	8,1 gr.	8.4 gr.	8.8 gr.						
			100000000000000000000000000000000000000								

Indicates maximum load - use with caution

### 9MM LUGER - HORNADY BULLETS

### 115 GRAIN BULLETS:

SECTIONAL DENSITY; DIAMETER: .130

\*35540 HP/XTP Ballistic Coefficient — .129 C.D.L. — 1.050"



#3555 FMJ-RN Ballistic Coefficient — .140 C.O.L. — 1.105"



	VELOCITY									
POWDER	1050 fps	1100 fps	1150 fps	1200 fps	1250 fps					
Red Dot	3.7 gr.	4.1 gr.		NOTE -						
WIN WSL	4.0 gr.	4,2 gr.	4.4 gr.	Compression of the						
Bullseye		4.5 gr.	4.8 gr.	5.1 gr.	-					
WIN 231	4.5 gr.	4.7 gr.	5.1 gr.	5,5 gn						
Pearl Scot	4.5 gr.	4.8 gr.	5.0.gr:							
Unique	4.7 gr.	4.9 gr.	5.1 gr.		A STATE OF THE PARTY OF THE PAR					
AA #2	4.7 gr.	5.0 gr.	5.2 gr.	5.6 gr.	5.9 gr.					
WIN WST	5.2 gr.	5.4 gr.	5.6 gr.		1					
AA #5	5.6 gr.	5.9 gr.	6.2 gr.	. 6.6 gr.						
HS-6	6.3 gr.	6.5 gr.	6.9 gr.							
AA #7	7.4 gr.	7.9 gr.	8.4 gr.							
	1000									

Indicates maximum load - use with caution

### 124 GRAIN BULLETS:

SECTIONAL DENSITY: DIAMETER:

.141

\*3556 FMJ-FP Ballistic Coefficient — ,174 C.O.L. — 1.050"



#3557 FMJ-RN Ballistic Caefficlent — .145 C.O.L. — 1.150"



#3567 LRN
Ballistic Coefficient — .131
C.O.L. — 1.090"



		55		VE	LOCITY			
POWDER	1025 fps	1050 fps	1075 fps	1100 fps	1125 fps	1150 fps	1175 fps	1200 fps
Red Dot	3.8 gr.	4.0 gr.	4.2 gr.				100	
WIN WSL	3.9 gr.	4.0 gr.	4.2 gr.	4.3 gr.	4,4 gr.		77	
Bullseye	4.1 gr.	4.2 gr.	4:4 gc.		100			
Pearl Scot		4.4 gr,	4.6.gr.	4.7 gr.	4.9 gr.	5.0 gr.		
Unique			100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		The second second second			
WIN 231		4.7 gr.	4.9 gr,	5.1 gr.	5.3 gr.			
AA #2	4.7 gr.	4.8 gr.	5.0 gr.	5.1 gr.	5.3 gr.	5.4 gr.	5.6 gr.	5.7 gr.
WIN WST								275
AA #5	5.3 gr.	5.5 gr.	5.7 gr.	5.9 gr.	6.1 gr.	6.2 gr.		
HS-6		Contract to the Contract			6.8 gr.	A Committee of the Comm		
		Michigan Committee	7.7 gr.	Control of the same				

Indicates maximum load - use with caution

### 147 GRAIN BULLETS:

SECTIONAL DENSITY: DIAMETER:

.167

\*35580 HP/XTP Ballistic Coefficient -- .212 C.O.L. -- 1.100"



\*3559 FMJ-RN Ballistic Coefficient -- .212 C.O.L. -- 1.169"



	VELOCITY								
POWDER	800 fps	850 fps	900 fps	950 fps	975 fps	1000 fps			
SR 4756	3.2 gr.	3.4 gr.	3.6 gr.	3.6 gr.	Timo Se-				
WIN WSF	3.3 gr.	3.6 gr.	3.9 gr.	4.2 gr	100	N.P.IG			
AA #6	3.8 gr.	4.1 gr.	4.3 gr.	4.6 gr.					
Solo 1500	3.8 gr.	4.1 gr.	4.3 gr.	4.5 gr.					
HS-6		4.4 gr.	4.7.gr.	4.9 gr.	5.1 gr.				
Blue Dot	4.2 gr.	4.5 gr.	4.8 gr.	5.2 gr,	5.3 gr.	5.5 gr.			
HS-7	4.4 gr.	4.8 gr.	5.2 gr.	5.6 gr.	-				
AA #7	5.1 gr.	5.5 gr.	5.9 gr.	6.2 gr.	6.4 gr.	6.6 gr.			

Indicates maximum load - use with caution

### 9mm Luger (Parabellum)

he 9mm Parabellum (other sobtiquets include 9mm Luger, 9x19 and 9mm NATO) dates from the very early years of this century. Its original home was the Luger pistol, but countless other handguns and submachine guns have been built to chamber it over its long history. It has been, in all probability, the world's most popular handgun. cartridge for many years, and it is certainly the most popular submachine gun cartridge. Much of the Parabellum's popularity stems from the fact that it is an excellent compromise. It combines mild recoil and case of shooting with a reasonable degree of effectiveness on the business end. It is now U.S. military standard, and it is the choice of a great many police departments.

Perhaps because it was primarily the enemy's cartridge in both World Wars, some handgun entlusiasts nursed an autipathy to the 9mm that verged on being downright irrational.

Charges leveled against the Nine have included that it was incapable of delivering decent accuracy. and that as a defense cartridge it was a pathetic loke. In the past, there was probably some basis for both charges. The old 9mm ball ammo was not very effective (although very little worse than the highly touted 45 ACP hardball). Today's well-designed hollow point expanding bullets can give the 9mm stopping capabilities that put it on a parwith many good .357 Magnum and .45 ACP loads. At the same time, carefully assembled handloads or good factory loads in this



caliber can deliver match grade accuracy from the right guns.

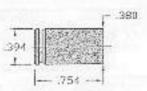
The Parabellum can be handloaded with excellent results If a few warnings are heeded: 9mm brass varies greatly in length and case wall thickness; mixed cartridge cases will seldom, if ever produce good, consistent results. Case volume is very small. If a bullet is seated even a little too. deep, pressures can run up fast! The Parabellum can deliver good performance with a wide range of powders-from Bullseye up to such relatively slow burners as Blue Dot or AA-No. 7. Best accuracy will be ordinarily achieved with buliets that have plenty of bearing surface relative to the ogive.

Like it or loathe it, the Parabellum will remain among the most popular and important cartridges of all time.

Jan is Editor of Peterson's Handguns:

### 9mm Lüger (Parabellum)

Text-Information



RIFLE:	Barrels	Douglas
	Length:	4*
	Toist:	1-16"
CASE:	100 - 1100	Winchester
PRIMER:		Hem. 192

### Comments from the lab

Like most pistol cartridges, the 9mm headspaces from the case mouth. When loading for this cattridge, bell the case mouth just enough to rehably guide the hullet into position and then taper crimp just enough to take the belt out of the case. Using this seating, the crimping technique will help ensure proper headspacing.

The S.A.A.M.I. overall cartridge lengths for this cartridge are 1.000° min, and 1,169° max. We suggest seating to lengths on the high end of this range, provided they will function well in your particular fireacm.

This load data is not +P rated and does not exceed the parameters for standard 9mm Luger pressures. \_

## 9MM LUGER - NOSLER BULLETS

# 90 Grain



"Most Accurate Lond Transl" "Compressed Lond

Ballotic Coefficient 506 Sectional Dentity

	9353					
Poswier	Charge	Weight	år Graiks	Muzzle Velacity (fps) 1	and L	lensity
	Max.			00.000	fpe.	58%
BULLSEYE	e con or	4.9	100000000000000000000000000000000000000	1220pc	LANC.	53%
C-000000000000000000000000000000000000	CHIS.	4,4"	Wasselffing	SERVICE 1110 pr	- 33	47%
UNIQUE	Max.	6.5*	EQUAL AND SHE	200278012780200FH 1290 bs		70%
thiost Assurets		6.0	NO SERVICE	55 15 1190 ps		65%
Pander Tested:		5.5	DESCRIPTION OF THE PERSON OF T	255553 1090 pa		59%
	Max	6.8*	HISTORIA PLANT	1278 ps		73%
SR 4756		6.3	MESSAGE STATES	2000 E 1163 ps		65%
		5.8	STATE OF THE PARTY	1088 to		62%
005020	Max.	8.0	KARATA TOTAL	WWW.50555566665557 135	2100	86%
HS 6		7.5	NEGAZORIKA BIR	(267 hs		81%
	3335	7.0*	torization.	ENNOSEMENT 1182 ps		75%
CARAMI ANN	Max.	7.3	misamener	20002000000000 1182 ps		76%
AA-No. 5		6.8		NEEDFEEE 1104 px		73%
		6.3	New York	SE 1022 po		68%
	Max.	8.7	STATE OF THE STATE OF	20 m		94%
BLUE DOI	P. I CAPPER	8.2	SURVEY THE STATE OF	3555355555 1150 ps		68%
		7.7'	PROPERTY AND	1080 ys		83%
	dfax.	8.7*	CARDON VI	1962/996 1102 pa	21	94%
AA-No. 7		8.2	HOUSE STREET, SO	1037 ps		88%
		7.7	<b>经济区共通公司</b>	972 64		83%

# 9MM LUGER - NOSLER BULLETS





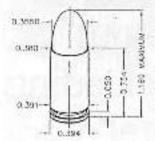
115 Grain

\*Most Accurate Lond Testod
\*\*Compressed Land

Sections Conflicters 103 Sections ( Density 130 Britistic Coulteberr 110 Societae Density 120

	CHO MINISTRA			
Powler	Clause	Wagi	f in Grains – Muzzle Westry (fps) – 24	wil Density
	Max.	4.5	WASHINGTON BELLEVIEW 978 to	53%
WSL		4.0	BENGBOOK SEEDER 863 by	47%
-		3.5	1555555555 748 to	41%
	Max.	5.2	FF 2012 1042 1042 1042 1042 1042 1042 1042	61%
HP 38		4.7	经进程的现在分词使用的连续的 937 px	55%
		4.2"	EN EAST-CHRESION B32 ps	49%
UNIQUE	Max.	6.1	5 1120 mg	72%
		5.6	DESTRUCTION TO THE PROPERTY TO SO THE	65%
		5.1*	1000 pa	80%
SR 4756	Max.	6.5*	LD 025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	× 76%
Most Accumus		6.0	000 00 000 1000 1000 1000 1000 1000 10	71%
Panedo Testedi		5,5	12-12-12-12-12-12-12-12-12-12-12-12-12-1	65%
	Mux.	7.1*	ISTRACTOR NO. 100 Per	84%
HS 6		6.6	DATES TO SERVICE BOOMS	78%
		6.1	PERSONAL TYO IPS	72%
	Mox.	8.5	5802209 588A 1570 500 500 500 500 500 500 500 500 500	100%
BLUE DOT		8.0	1000 ts	94%
		7.5"	三、1030 tp.	88%
	Meex.	8.5*	AND THE RESIDENCE OF P.	100%
IA-No. 7		8.0	SACSTRANS HAS MENH 933 to	94%
		7.5	LOSESTATE PROGRAMMENT SESSION	88%

# 9mm Luger



Test Specifications
Firearm Used: Colt Govt Model MKIV
Bbl. Length/Twist: 5\*/1x16\*

Test Components Cases: Starline Trim-to Length: ,750° Primers: CCI-500

### Remarks:

Although it was introduced in 1902, the 9mm Luger was actually adopted by the German navy two years later. The cartridge was again adopted four years later. this time by the German army, where it has remained in service ever since. Through a strange turn of events, the 9mm Luger has gone on to become the most successful military pistol cartridge in the world. Early in the Second World War. Britain lost a tremendous amount of equipment at the disastrons battle of Dunkirk. Fearing an imminent Nazi invasion, they rushed to rearm themselves with a variety of easily produced weapons, including submachineguns. Although the 9mm was never really considered for adoption by the British, they had captured huge amounts of 9mm Luger ammunition from the Italians during the campaign in Eritrea. As a result of this windfall, it was suggested that a newly designed submachinegum, the Lauchester, be chambered for the 9mm Luger, Later in the war, the British adopted the Browning High Power pistol, which was also chambered for the 9mm eartridge. After the war the 9mm became the standard NATO cartridge for handguns and submachineguns, because so many countries in the newly formed NATO forces were already using the 9mm. One of the last holdouts finally relented in 1985, when the 9mm was adopted by the U.S. military as our standard service pistol cartridge. Under its NATO designation, the cartridge is known as the 9x19mm. It is also frequently referred to as the 9mm Parabellum.

Here in the U.S., the 9mm was almost unheard of until the 1950's, when Smith & Wesson began developing a series of 9mm handguns for the police and military market. Domestic interest in the 9mm was only lukewarm until the late seventies and early eighties, when the old war horse really took off. Several factors account for this, including the military's adoption and a sudden appearance of several good quality high-capacity 9mm pistols. Today, the 9mm is one of the most popular curtridges among local, state and federal law enforcement agencies. Despite its police usage, it has never really caught on for combat competition among U.S. IPSC shooters, In all fairness, this is largely because of regulations which preclude this cartridge specifically. Variants such as the 9x21mm, and the similar .38 Super have dominated the sport for the last few years.

### 9MM LUGER - SIERRA BULLETS

# 9mm Luger, continued

Reloading for 9mm is not difficult, but one should remember that it is a high pressure cartridge. Small changes in component combinations can result in significant pressure increases, and require careful development. Sierra offers a wide range of .355" bullets, adding to the 9nam's versatility. As with most other cartridges intended for use in autoloading pistols, we recommend a firm taper crimp. The 9mm is a good cartridge with a long and illustrious history, as well as a bright future aheard.

.355 90 gr. JHP Cartridge OAL: 1.010



Powder ↓/ Velocity →	1200	1250	1300	1350	1400	1450
Bullseye	18		4.2	4.5	4.7	5.0
201		4.9	5.2	5.5	5.8	6.2
200X			No.	4.7	5.1	5.5
PB			5.2	5.4	5.7	6.1
AA-No.5	6.2	6.5	8.8	7.1	7.3	
Unique			5.5	6.2	6.9	7.5
WAP	5.9	6.1	6.3	6.5	and the	410
Viht 3N37	5.9	6.2	6.5	6.8		
SR7625	4.7	5.2	5.4	5.8	6.2	
Herop				7.0	7.4	7.8
AA-No.7	B.1	8.6	9.0	9.4		
Vint N350	5.4	5.7	6.1	6.5		
Blue Dot		Total State	8.0	8.7	9.4	10.0
Energy/ft.lhs.	288	312	338	364	392	420

Accuracy Load: 231/5.5 grs.;1350 (ps/364 ft.lbs. Hunting Load: Blue Dot/10.0 grs.;1450 lps/420 ft.lbs.

INDICATES MAXIMUM LOAD - USE CAUTION LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

# 9mm Luger, continued

.355 95 gr. FMJ · Cartridge OAL: 1.020\*



Powder 1 / Velocity →	1150	1200	1250	1300	1350	1400
Bullseye	4.5	4.8	5.0	and the state of		7,100
231	4.7	5.1	5.4	5.7	6.0	
Red Dat	4.4	4.6	4.8	5.0	5.1	
700X	4.0	4.3	4.5	4.7	4.9	112.200
AA-No.5	6.1	6.3	6.6	6.8	7.1	7.4
Unique	5.4	5.8	6.1	6.4	6.7	7.0
WAP	5.7	6.0	6.3			10 form
SR7625	4.8	5.1	5.4	5.7	6.0	2000
HS-6	6.7	7.0	7.2	7.4	7.6	7.8
Heroo	95	5.6	6.0	6.4	6.8	7.2
Vint 3N37	5.9	6.2	6.5	6.7		3000
AA-No.7	7.9	8.3	8.7	9.2		100
Blue Dat	7.9	8.3	8.7	9.0	9.3	9.6
Vihl N350	5.7	5.9	6.1	6.3		100000
Energy/ft.lbs.	279	304	330	356	384	413
						-

Accuracy Load: 231/5.7 grs.;1300 lps/356 ft.lhs. Hunting Load: Blue Dot/9.6 grs.;1400 lps/413 ft.lbs.

INDICATES MAXIMUM LOAD - USE CAUTION LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

### 9MM LUGER - SIERRA BULLETS

# 9mm Luger, continued

.355 J15 gr. JUP Cartridge OAL: 1.015\*



.355 115 gr. FM,J Cartridge OAL: 1.090\*



Powder 1/ Velocity -	1050	1100	1150	1200	1250	1300
Bullsaye			3.9	4.3	4.7	4.9
231		4.6	4.9	5.2	5.5	
700X			4.0	4.3	4.7	5.1
PB		4.4	4.7	5.0	5.2	
AA-No.5	5.4	5.7	6.0	6.3	6.5	6.7
Unique		5.0	5.2	5.6	6.0	6.4
WAP	4.9	5.3	5.7	6.0		
SR7625	4.4	4.7	5.0	5.2		297,981
Herco			5.7	6.0	6.3	6.6
Viht 3N37	5.0	5.3	5.6	6.0	6.3	27.64
AA-No.7	Com h		8.0	8.4	8.9	
Blue Dot		6.9	7.3	7.7	B.1	
Vihit N350	4.8	5.2	5.6	5.9		13.010
Energy/ft.lbx.	281	309	338	368	399	431

Accuracy Load: Unique/5.6 grs.;1200 fps/368 ft.fbs. Hunting Load: Herce/6.3 grs.;1250 fps/399 ft.fbs.

INDICATES MAXIMUM LOAD - USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

-	The state of the s	
	: 10	
-		
	4	

# 9mm Luger, continued

.355 125 gr. FMJ Cartridge OAL: 1.090\*



Powder 1/ Velocity →	950	1000	1050	1100	1150	1200
Bullseye	3.5	3.7	3.9	4.1	4.3	4.5
231	3.9	4.2	4.5	4.8	5.1	
Red Dot		3.7	4.0	4.3	4.6	1000
700X		3.7	3.9	4.1	4.3	4.4
AA-No.5	4.9	5.2	5.5	5.8	6.0	6.3
Unique		4.1	4.6	5.1	5.5	5.9
WAP	4.5	4.8	5.1	5.4	5.7	
HS-6	5.4	5.7	5.0	6.3	6.6	-
Herco	4.5	4.8	5.1	5.4		
Vihit 3N37	4.7	5.0	5.3	5.6	5.8	
AA-No.7	0,00	1100	7.5	7.9	8.3	8.7
Blue Dat	6.1	6.5	6.9	7.3	7.7	8.0
Vihit Naso	4.5	4.8	5.1	5.4	5.7	
Energy/ft.lbs.	250	278	306	336	367	400

Accuracy Load: AA-No.7/8.3 grs.;1150 fps/367 ff.lbs. Hunting Load: AA-No.7/8.7 grs.;1200 fps/400 ff.lbs.

INDICATES MAXIMUM LOAD - USE CAUTION LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

A.	
 (Ph.	

### 9MM LUGER - SIERRA BULLETS

# 9mm Luger, continued

,355 130 gr. FMJ Cartridge OAL: 1.120\*



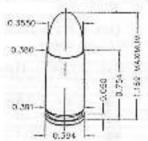
Powder ! / Velocity →	900	950	1000	1050	1100	1150
Bullseye	3.5	3.8	4.1	4.4		
231	3:000	4.0	4.4	4.0	5.1	5.4
Red Dat		3.7	4.0	4.3	4.6	
700X			3.7	4.0	4.4	4.7
AA-No.5	4.8	5.0	5.3	5.5	5.8	6.0
Unique		4.2	4.6	5.0	5.3	5.5
WAP	4.6	4.9	5.2	5.5	5.7	5.9
SR7625			4.1	4.5	4.8	AMON
HS-8	5.4	5.7	6.0	6.3	6.5	6.7
Herco	4.2	4.6	4.9	5.2	1110001111111	
AA-No.7	***		7.5	7.8	8.1	8.4
Blue Dot	5.9	6.3	6.7	7.1	7.5	7.9
Vihi N350	4.5	4.7	5.0	5.2	5.5	VEHE
Energy/ft.thu.	234	261	289	318	349	382

Accuracy Load: Unique/5.0 grs.;1950 tps/316 ft.lbs. Hunting Load: AA-No.7/8.4 grs.;1150 tps/382 ft.lbs.

INDICATES MAXIMUM LOAD - USE CAUTION
LOADS LOSS THAN MINISTER CHARGES SHOWN ARE NOT RECOMMENDED.

	Service of Ducarday, Vol.	garder.	
vest interceptation		35	
			7.00

# 9mm Luger



Test Specifications Firearm Used: Marlin Model 9 Bhl. Length/Twist: 16 1/2\*/1x10\*

Test Components
Cases: Federal
Trim-to Length: .750\*
Primers: Federal 100

### Remarks:

Introduced in 1902, the 9mm Luger is probably the oldest cartridge still in common use on a world wide scale. To say that the 9mm has been successful would be an understatement of monumental proportions. Today, the cartridge is not only holding its own, but is actually gaining in popularity. It received a big boost in 1985, when the U.S. military adopted the 9mm Luger as the "new" cartridge for service sidearms. In addition to its military duties, the 9mm has been embraced by many local, state, and federal law enforcement agencies as well. Ever since the days of the wild west, the idea of a rifle/handgun combination in the same caliber has always been a concept unique to America. This notion has given rise to a number of rifles chambered for cartridges normally associated with handguns. The 9mm Luger is one of them.

Many of the rifles chambered for the 9mm are carbine-length, semiautomatic copies of submachinegons, such as the Uzi carbine, and the H&K 94, a variant of the MP5. Our test rifle was the Marlin Model 9 Camp Carbine, an original design. Despite the differences in their appearance, all of these rifles are basically suited to the same range of tasks; small game, varmints, and plinking. Ken Hackathorn, a highly respected gunwriter and defensive shooting instructor, has recommended the Camp Carbine as a viable candidate for home defense. For shooters unable to master the heavier recoil of a shotgun, or unable to obtain a handgun due to local ordinances, this is a feasible option.

While the 9mm may qualify as a fairly powerful pistol cartridge, it is rather anemic in a rifle. Whether used in a rifle or handgun, the 9mm is neither adequate nor suitable for use on hig game. When loaded with the lighter weight bullets, which showed the greatest increase in velocity over handgun data, the 9mm is effective for small game and varmints out to 50 or 75 yards. When used within its limitations, the 9mm Luger in a rifle can be an enjoyable combination.

### 9MM LUGER - SIERRA BULLETS

# 9mm Luger, continued

.355 90 gr. JHP Cartridge OAL: 1.010\*



Powder 1/ Velocity →	1300	1400	1500	1600	1700	
Unique	4.5	5.1	5.8			
Heico		5.9	6.4	6.8	7.0	
AA-No.7	8.0	6.7	9.4	anasa l		1100
Blue Dot		7.0	7.9	8.7	9.2	
Energy/ft.lbs.	338	392	450	512	544	975

Accuracy Load: Dive Det/0.7 grs.; 1800 lps/512 ft.lbs. Hunting Load: Blue Det/9.2 grs.; 1700 lps/544 ft.lbs.

.355 95 gr. FMJ Cartridge OAL: 1,020\*



Powder 1/ Velocity +	1300	1400	1500	1600
Unique	5.0	5.5	5.0	
Herca	5.5	6.0	6.5	7.0
AA-No.7	8.0	8.6	9.1	1100
Blue Dot	5.00	7.1	8.0	8.8
Energy/ft.lbs.	356	413	475	540

Accuracy Load: Blue Dot/8.8 grs.; 1600 fps/540 ft.bs. Hunting Load: Blue Dot/8.8 grs.; 1600 fps/540 ft.bs.

INDICATES MAXIMUM LOAD - USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

(RIFLE DATA)

 Assertation .	1223	30=	

## 9mm Luger, continued

.355 115 gr. JHP Cartridge OAL: 1:015\*

.355 115 gr. FMJ Cartridge OAL: 1.090\*

Powder ↓ / Velocity →	1100	1200	1300	1350	1400
Unique	4.2	4.7	5.2	5.4-	
Herco		5.0	5.6	.6.8	6.1
AA-No.7	7.0	7.5	8.0	8.2	
Blue Dat	6.0	6.5	7.0	7.2	7.4
Energy/ft.lbs.	309	368	431	465	500

Accuracy Load: Blue Dot/7.2 grs.; 1350 fps/465 ft.bs. Hunting Load: Blue Dot/7.4 grs.; 1400 fps/500 ft.bs.

.355 125 gr. FMJ Cartridge OAL: 1.0901



Powder -/ Velocity -	1100	1150	1200	1250	1300
Unique	4.4	4.7	5.0	5.3	
Herco	4.7	5.0	5.3	113000	The second second
AA-No.7	6.7	7.1	7.5	7.9	
Blue Dot	6.1	6.3	8.5	6.7	7.0
Energy/ft.lbs.	336	367	400	434	469

Accuracy Load: Blue Cot/6.7 grs.: 1250 lps/434 ft ibs. Hunting Load: Blue Cot/7:0 grs.: 1300 fps/499 ft.bs.

.355 130 gr. FMJ Cartridge OAL: 1.120\*



Powder ↓ / Velocity →	1050	1100	1150	1200	
Unique	4.4	4.6	4.8	5.1	
Herop	4.7	4.9	5.2	5.4	
AA-No.7	6.8	7.1	7.4	7.7	
Blue Oot	5.9	6.2	6.5	6.8	
Energy/ft.lbs.	318	349	382	416	

Accuracy Load: AA-No.7/7.7 grs.; 1200 fps/418 ft.lbs. Hunting Load: AA-No.7/7.7 grs.; 1200 fps/416 ft.lbs.

INDICATES MAXIMUM LOAD - USE CAUTION LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

(RIFLE DATA)

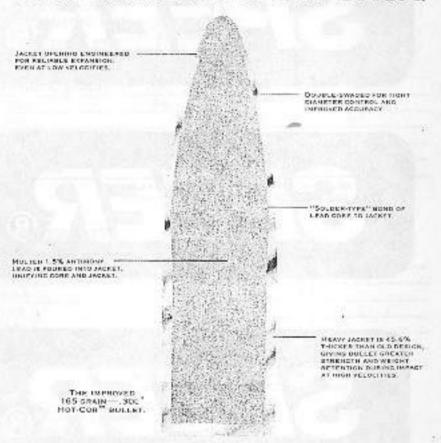
SPEER®

SPEER®

SPEER®

SPEER®

# SPEER'HAS A MORE POTENT RECIPE FOR PUNCH.



The secret of its success—Hot-Cor.\*\* Our own special process that injects molten lead into the jacket, rather than forcing in a cold lead slug. The result

greater expansion and weight
greater expansion and weight
according to the conventional

"cold core" bullets. With deadly accuracy and consistency. Shot after shot after shot.





YOUR SHOOTING PARTNER

The 9mm Luger cartridge is known by several names including 9mm Parabellum and 9x19mm. Some pistols chambered for this cartridge are marked "9mm/08" or "9mm P/08" to indicate the date (1908) when it was adopted by the German Ariny. Except for war souvenirs, there were few 9mm pistols in the U.S. until the 1950's.

The U.S. military considered the 9mm as a service cartridge on numerous occasions and finally adopted it in 1985 in the M-9. Buretta pistol. The compact pistols and the high magazine capacity found in many models have combined to make the 9mm Luger the most popular cartridge in the U.S. law enforcement community.

The 9mm was originally leaded with full metal jacketed bullets for reliable feeding. However, to succeed as a police service cartridge, it was necessary to use expanding bullets to limit the tremendous penetration of the FMJ 9mm bullets. The current trend in law enforcement is toward 124 and 147 grain JHP bullets.

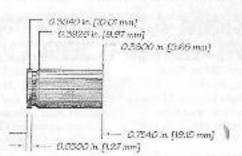
Speer offers a number of bullets which are suitable for the 9mm. For general purpose shooting and target practice, the 115 TMJ and 124 grain Uni-Cor soft point hullers are a good choice. The 115, 124 and 147 grain Gold Dot hollow points should be chosen for actions defense work.

When loading the 9mm, carefully observe the cartridge overall lengths. Issed in the data. Under no conditions should the bullers be loaded should than the listed lengths, 9mm case capacity is relatively small and seating a buller deeper than indicated can cause excessive pressures and the potential for damage or injury.

Loads listed for the Speer 125 grain lead bullet generally do not operate at maximum pressure. We have limited the velocity to around 1000 feet/sec to reduce barrel leading. A good rule of thumb with swaged lead bullers is to use the lightest load which will cycle the action reliably.

The 9mm Luger headspaces on the case mouth so roll crimping is not recommended. A good taper crimp will give sufficient holding power as long as the expander hall is no larger than .354°. The taper crimp also gives a nicely finished edge to the case mouth for reliable feeding. Refer to the section, "Leading for Semi-automatic Pistols" in the introduction to the handgun data. There you will find an extended discussion on reloading the 9mm Luger that contains some helpful tips.

The listed loads do not exceed the industry maximum pressure of 35,000 psi.



Max. Case Length: 0.754\*

Trim-to Length: 0.744\* Max. Cart. Length: 1.166"

RCBS Shellholder: #16

Barrel Length: 4" Twist: 1-10"

Test Firearm: Smith & Wesson Model 5906

Case: Speer Primers: CCI 500



115 Grain Sect. Density .130	9mm GD-HP		9mm : JHP	
Ballistic Coefficient	0.125	0.177	0,118	
C.C.L. Texted At	1,125"	1.135"	1.125*	
Speer Part No.	3994	3995	3996	A1100 20100

Powder	Wt. Cra	Mct Vet	Powder	Wt Gis.	Mzf.Yol.	Powder	Wt. Gru.	Mat.Vef.
	8.5	1258	vibt.	6.5	1210		5.0	1133
Blue Do	7.7	1161	N350	5.8	1109	231	4.5	1026
	6.3	1244	V	7.5	1178	T.1	4.5	1121
Unique	5.6	1156	HS-6	6.7	1048	Tite- Group	4.1	1061
Viht.	5.8	1225	н.	5.3	1172	AA	6.8	1102
3N37	6.1	1128	Universal	4.7	1046	#5	6.1	1003
AA	9.6	1220		5.6	1156	American	5.4	1102
#7	8.6	1158	WSF	5.0	1041	Select	4.8	1067
Power	6.7	1212		4.7	1144		4.4	1101
Pistol	6.2	1122	Bullseye	1.2	1037	700-X	4.0	1007

Notes: Build print dengtes maximum leads. They should be used with coulton. C - Compressed Livini



.355	Dia.	Marian San						
124 0	Grain	9mm SP	9mm GD-HP					
Helbeng C	Coefficient	0.115	0.134				MASS AVE	25.70
C.O.L.	Tostod At	1.120*	1,120"			460	200	
Spe	er Pad No.	3997	3998					
Powder	Wt. Grs.	MotVet	Powder	Wil Cox.	Mal. Ved.	Powier	Wt. Ges.	MatNet
	8.9	1249	Vibt.	6.4	1179	V 1	4.3	1067
	0.0	1150	nators	6.7	1083	700 V	2.0	080

1 Control	The Section	Harris Con-	11.0400		- Charles and	K3 370000		111777-25
	8.9	1249	Viht.	6.4	1179	V = 1	4.3	1067
HS-7	8.0	1159	3N37	5.7	1083	700-X	3.9	989
	7.9	1238	Power	5.4	1157		4.4	1059
Blue Dot	7.1	1121	Pistol	5.6	1033	Bullseye	3.9	965
AA	10.5C	1185	Tite-	4.4	1095		6.7	1059
#9	9.4	1061	Group	4.0	1020	HS-6	6.0	951
	5.8	1180	H.	5.0	1089	American	5.0	1053
Unique	5.2	1080	Universal	4.5	993	Select	4.5	994
AA	9.0	1180	AA	6.5	1069		4,5	998
#7	8.1	1077	#5	5.8	963	231	4.0	887

147 Grain	9mm			T	T		
Ballistic Ocefficient	0.164	0.205	87			100	
C.O.L. Tested AT	1.130*	1,130"					Т
Speer Part No.	4002	4005				State of the last	7

Powder	Wt. Grs.	Mai.Vel.	Poxidor	Wil. Gra.	MaliVel.	Ромски	wi. čra.	Mzt.Vel.
	5.8	1001	SR	4.6	957		4.5	931
Blue Dol	5.1	900	4756	4.2	841	WSF	3.6	840
Power	5.0	975	5	5.6	956	AA	5.1	931
Pistol	4.5	672	HS-6	5.0	845	#5	4.5	821
VIht.	4.9	989		4.3	954	Tite-	3.3	864
3N37	4.4	866	Unique	3.8	852	Group	DNR	***
AA	6.8	961	574-5	6.8	953	18 10 10 68		
#7	6.1	867	HS-7	6.1	866			

Notice: Bodd print denotes maximum loads. They should be used with causes. C - Compressed Load DNR - Do not reduce

### 9MM LUGER - SPEER BULLETS



.356" Dia. 125 Grain 9mm Soct. Density .142 L-RN Balistic Coefficient 0.155 1.130\* C.O.L. Tested At Speed Part No. 4601

Powder	Wil. Grs.	Mzl.Vel.	Powder	WL Gos	Mail.Vet.	Proder	Wil Gre	MatWet
	4.6	1012	-	4.2	995		4.1	982
WAP	4.2	921	HP-38	3.9	917	231	3.8	911
	4.5	1007		5.5	993		3.4	977
Unique	4.1	911	HS-6	5.1	913	700-X	3.2	920
20.3331	3.6	1004	10	4.3	991		3.8	962
Red Dot	3.3	888	H. Universal	3.9	899	Bullseve	3.5	929

### LAB NOTES ...

Notes: Bold print denotes maximum body. They should be used with centern

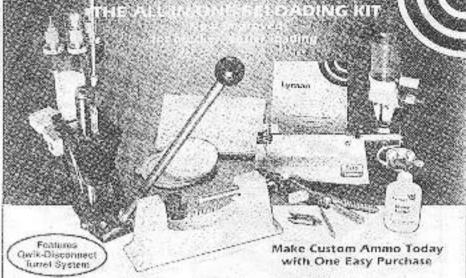
Because of the wide variation in locking mechanisms and spring rates in 2mm pistols, some may exhibit sluggish function with the slower of the 147 grain loads. Load a few rest rounds and try them for function: before settling on a 147 grain load.

### Military Cases

9mm Luger cases were once hard to find, but are now as abundant us. flies in most areas. There is little need to use military surplus brass when there are so many good commercial cases available as a reasonable price.

In addition to requiring the extra effort of removing a primer crimp, some military case have primer pockets that are slightly different from those in commercial cases. This can cause reprinting difficulties, especially on progressive equipment. Powder capacities may not be the same either, and pressure variations can show up.

Our recommendation - don't bother with military 9mm brsss.



Our popular Expert Kit is now even better - Lyman's Expert Kit includes: since we appreded to the versatile T-MAG Press. Combines the speed of a turret press. with the strength and ease of compound a Model 500 Powder Scale leverage. Accepts all std. 7/85 x 14 dies. Removable torret holds up to 6 dies for easy set-up and storage,

This Kit combines everything needed to load quality pistol or rifle ammunition except the components. Available with or without a die set.

> Questions? Call toit free 1-800-22-LYMAN.

- · T-Mng Press complete:
- · Universal<sup>®</sup> case trimmer and Pilot Pack
- · Model 55 Powder Measure
- · Mise, accessories and case prep gear .
- . "How To" Reloading Guide

Interested in Handloading? Save money and time! Ask for the Lyman Expert Kit. Available at your dealer today!

Write for free mini-catalog.

Dept 000, Route 147 Middlefield, CT 08455